

MODEL EPITHELIAL CELL CULTURES

**ABSTRACT OF INVENTION**

In one aspect, the invention provides cell cultures and  
5 culture conditions that facilitate the establishment of an  
intestinal epithelial cell culture that has characteristics  
of the intestinal epithelium, such as: transepithelial  
electrical resistance, enzyme expression and microvilli  
morphology. Cell cultures of the invention may use fatty  
10 acids such as sodium butyrate and kinase modulators such as  
2-{1-[3-(amidinothio)propyl]-1H-indol-3-yl}-3-(1-  
methylindol-3-yl)-maleimide methanesulfonate.